Application No. 10/644,086 Reply to Office Action mailed April 18, 2005

Art Unit 3752

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in this application.

Listing of Claims:

1. [original] An extruded pipe connectable to a pressurized fluid source via a first end of said

pipe, the pipe comprising drip-irrigation plug emitter mounted integrally therein during the

extrusion process of the pipe, said plug emitter having an inlet in fluid communication with said

first end of the pipe, a drip outlet in fluid communication with a second end of the pipe, and a

flow-restricting path therebetween, said emitter plugging the pipe with respect to any fluid flow

except for the flow through said flow-restricting path.

2. [currently amended] An extruded pipe according to Claim 1, constituting a <u>plugged</u> section

of a continuous long pipe comprising a plurality of such sections and adapted for being cut into

said sections, said extruded pipe resulting from cutting said continuous long pipe.

3. [original] An extruded pipe according to Claim 1, having at least one additional plug emitter

allowing to adjust the length of said flow-restricting path by cutting off the plug emitter which is

closer to said second end.

4. [original] An extruded pipe according to Claim 1, wherein said plug emitter forms a swelling

at the outer surface of the pipe.

5. [original] An extruded pipe according to Claim 1, wherein said pipe and said plug emitter are

adapted to be cut together, thereby allowing to adjust the length of said flow-restricting path.

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6. [original] An extruded pipe according to Claim 1, wherein said flow-restricting path is

formed as a flow labyrinth.

7. [original] An extruded pipe according to Claim 6, wherein said plug emitter has peripheral

surface formed with a labyrinth channel, and said flow labyrinth is defined, at least in part, by

said labyrinth channel and an adjacent wall of said pipe.

8. [currently amended] An integral drip-irrigation plug emitter adapted for mounting inside an

extruded pipe according to any one of Claims 1 to 7.

9. [original] A drip-irrigation plug emitter according to Claim 8, further having a filter means

disposed upstream of said flow labyrinth.

10. [original] A drip-irrigation plug emitter according to Claim 8, wherein said flow labyrinth is

symmetric relative to the direction of flow therethrough to an extent that the flow inlet may be

used as a drip outlet and vice versa.

11. [currently amended] A drip-irrigation plug emitter according to Claim 10, further having two

integral filter means disposed each at either one end of said flow labyrinth.

12. [original] A method for extrusion of a continuous long pipe comprised of sections

constituting the extruded pipe of anyone of Claims 1 to 7, wherein said method includes inserting

said plug emitters at predetermined intervals during the extrusion process so that said pipe is

plugged by each emitter with respect to any fluid flow except for the flow path through the

emitter.

13. [original] A method according to Claim 12, further including cutting said long pipe into said

sections.

14. [original] A method according to Claim 13, wherein each said section has an end adjacent to

the drip outlet of said emitter.

15. [original] An extruded pipe according to Claim 1, further having a means for fixing said

second end of the pipe in suitable position relative to an irrigated plant.

16. [original] An extruded pipe according to Claim 15, having a portion of the pipe between said

second end and said drip outlet adapted to accommodate said fixing means inside said portion.

17. [original] An extruded pipe according to Claim 16, wherein said fixing means is an elongated

body with one end tightly insertable into said portion of the pipe and a pointed second end

adapted to sink in the soil.

18. [original] An extruded pipe according to Claim 17, wherein said elongated body has a

conduit providing fluid communication between said drip outlet and an exit on said elongated

body disposed anywhere outside the pipe up to said pointed end.

19. [original] An extruded pipe according to Claim 17, wherein said elongated body provides a

passage allowing a drip flow exiting from said drip outlet to leave the pipe through said second

end.

20. [new] A drip-irrigation plug emitter according to Claim 8, wherein said plug emitter has

peripheral surface formed with a labyrinth channel, and said flow-restricting path is defined, at

least in part, by said labyrinth channel and an adjacent wall of said pipe.

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21. [new] An extruded pipe connectable to a pressurized fluid source via a first end of said pipe,

the pipe comprising a drip-irrigation plug emitter mounted integrally therein during the extrusion

process of the pipe, said plug emitter having an inlet in fluid communication with said first end

of the pipe, a drip outlet in fluid communication with a second end of the pipe, and a flow-

restricting path therebetween, said emitter plugging the pipe with respect to any fluid flow except

for the flow through said flow-restricting path, and forming a swelling at the outer surface of the

pipe.

22. [new] A continuous long extruded pipe adapted to be cut into pipe sections, each pipe

section being connectable to a pressurized fluid source via a first end of said pipe section, each

pipe section comprising a drip-irrigation plug emitter mounted integrally therein during the

extrusion process of the continuous pipe, said plug emitter having an inlet in fluid

communication with said first end of the pipe section, a drip outlet in fluid communication with a

second end of the pipe section, and a flow-restricting path therebetween, said emitter plugging

the pipe section with respect to any fluid flow except for the flow through said flow-restricting

path.

23. [new] A continuous long extruded pipe adapted to be cut into pipe sections, each pipe

section being connectable to a pressurized fluid source via a first end of said pipe section, each

pipe section comprising a drip-irrigation plug emitter mounted integrally therein during the

extrusion process of the continuous pipe, said plug emitter having an inlet in fluid

communication with said first end of the pipe section, a drip outlet in fluid communication with a

second end of the pipe section, and a flow-restricting path therebetween, said emitter plugging

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the pipe section with respect to any fluid flow except for the flow through said flow-restricting path, and forming a swelling at the outer surface of the pipe.